

Docket No.: 023949.0104PTUS

(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Chaoqiang Liu et al.

Application No.: 10/578581

Confirmation No.:

Filed: May 5, 2006

Art Unit: N/A

For: DC

DOCUMENT IMAGE

ENCODING/DECODING

Examiner: Not Yet Assigned

INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08/AB. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed within three months of the U.S. filing date (37 CFR 1.97(b)(1)).

Applicant has not submitted copies of each cited U.S. patent and U.S. patent application as required by 37 CFR 1.98(a)(2)(i), amended October 2004, as the U.S. Patent and Trademark Office has waived this requirement for all U.S. patent applications. Applicant submits herewith copies of foreign and non-patents in accordance with 37 CFR 1.98(a)(2).

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information

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Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 50-2816, under Order No. 023949.0104PTUS. A duplicate copy of this paper is enclosed.

Dated: August 1, 2006

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Respectfully submitted,

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Attorney for Applicant

PTO/SB/08a/b (07-05)
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Substitute for form 1449A/B/PTO				Complete if Known		
				Application Number	10/578581	
II.	NFORMATION	I DI	SCLOSURE	Filing Date	May 5, 2006	
S	TATEMENT E	3Y /	APPLICANT	First Named Inventor	Chaoqiang Liu	
				Art Unit	N/A	
	(Use as many sh	eets as	necessary)	Examiner Name	Not Yet Assigned	
Sheet	1	of	1	Attomey Docket Number	023949.0104PTUS	

	U.S. PATENT DOCUMENTS				
Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
initials*	No.1	Number-Kind Code ² (if known)	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
/JC/_	AA*	US-5,778,092-A	07-07-1998	MacLeod et al.	
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/JC/	AE*	US-5,392,362-A	02-21-1995	Kimura et al.	

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Initials*	No.1	Country Code ³ -Number ⁴ -Kind Code ⁶ (if known)	Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	₹
1:34	ВА	EP-EP 0 713 329	05-22-1996	XEROX CORPORATION		1

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	NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²		
/JC/	CA	J. Li et al, Context-Based Multiscale Classification of Document Images Using Wavelet Coefficient Distributions IEEE Transactions on Image Processing, Spetember 2000, Vol. 9, No. 9 http://www.stanford.edu/group/compression/publications/jiali/docseg.pdf			
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/JC/	СН	International Search Report dated January 10, 2005 from the ISA/AU for PCT/SG2004/000366.			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Examiner	/ losa Causa/	Date	00/00/000
Signature	/Jose Couso/	Considered	02/23/2009

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Application Number 10/578581 Filing Date TRANSMITTAL May 5, 2006 First Named Inventor **FORM** Chaogiang Liu Art Unit (to be used for all correspondence after initial filing) Examiner Name Not Yet Assigned Attorney Docket Number Total Number of Pages in This Submission 4 023949.0104PTUS ENCLOSURES (Check all that apply) After Allowance Communication Fee Transmittal Form Drawing(s) Appeal Communication to Board of Fee Attached Licensing-related Papers Appeals and Interferences Appeal Communication to TC Amendment/Reply Petition (Appeal Notice, Brief, Reply Brief) Petition to Convert to a After Final Proprietary Information Provisional Application Power of Attorney, Revocation Affidavits/declaration(s) Status Letter Change of Correspondence Address X Other Enclosure(s) (please Identify below): Extension of Time Request Terminal Disclaimer Copy of Non Patent Literature **Express Abandonment Request** Request for Refund Documents; and Return Receipt Postcard. Information Disclosure Statement CD, Number of CD(s) Certified Copy of Priority Landscape Table on CD Document(s) Reply to Missing Parts/ Remarks Incomplete Application Reply to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm Name PATTON BOGGS LLP Signature Printed name Robert C. Hilton

	elow with sufficient postage a	paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on s First Class Mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Signature:
Dated:	AUGUST 1, 2006	Signature:

Reg. No.

47,649

Date

August 1, 2006